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U.S. Army Influenza Activity Report

Week Ending 31 January 2015 (Week 04)

2014-2015 Seasonal Influenza Vaccination Coverage

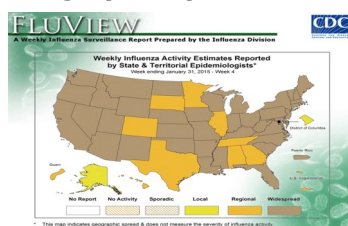
As of 28 JAN 2015

94%	DOD
97%	Army Active Duty
91%	Army Guard
81%	Army Reserve

SYNOPSIS: During week four, the number of specimens testing positive for influenza A declined in all regions except for PRMC. Of all the regions, SRMC is still reporting the most number of cases.

- **Influenza-like illness (ILI) activity:** Army incident ILI outpatient visits in week four were 20% higher than for the same week last year.
- **Influenza cases:** 8 hospitalized influenza cases were reported to USAPHC in week four, 2 in Active Duty (AD) service members (SM) and 6 in non-AD beneficiaries. 3 of the cases were unvaccinated. To date, 47 cases have been reported during this influenza season: 8 AD SM and 39 non-AD beneficiaries.
- **Viral specimens:** During week four, 803 of 2610 (31%) laboratory specimens tested positive for respiratory pathogens; 606 of 2248 (27%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (41%), followed by ERM (21%), NRMC (16%), WRMC and PRMC (both at 11%), and CENTCOM (0.2%).

Geographic Spread

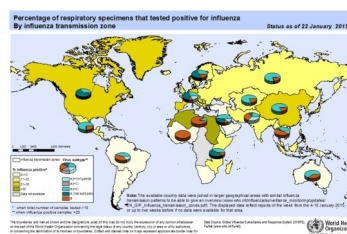


United States

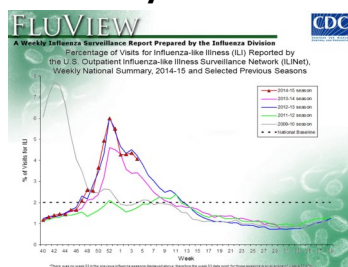
- In week four, Puerto Rico, Guam, the US Virgin Islands and forty-nine states reported widespread and regional influenza activity. Local activity was reported by the District of Columbia, Guam, and one state (AK).

World Health Organization

- In North America, the influenza season was ongoing with still high levels of influenza activity in most countries. Influenza A(H3N2) virus predominated. The influenza activity might have peaked in the USA.

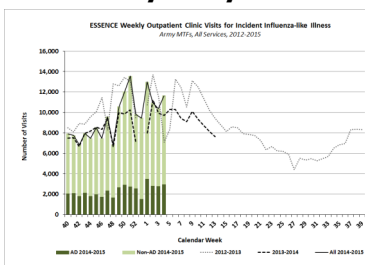


ILI Activity United States



- Nationwide during week four, 4.1% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 2.1% to 6.7% across the regions reporting.

ILI Activity Army



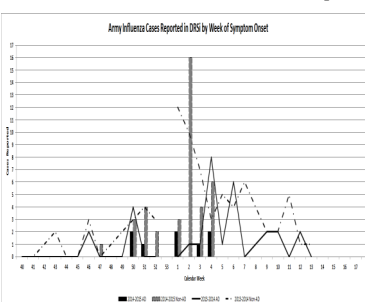
- During week four, incident ILI activity was 20% higher than the same time last year and 64% higher than week four in 2012-2013.
- AD SMs accounted for 26% of incident ILI clinic visits during week four; in 2013-2014, AD SMs comprised 27% of ILI clinic visits on average during week four.

Laboratory Respiratory Specimen Testing

Test Result	Week 1	Week 2	Week 3	Week 4	Season Total
Influenza A	599	850	739	606	6228
Influenza B	46	65	74	60	375
Adenovirus	10	12	6	21	169
Enterovirus	0	0	0	0	4
Parainfluenza	10	9	16	16	186
RSV	88	83	88	100	862
Negative	1609	1760	1728	1807	17312
Total Results	2362	2779	2651	2610	25136

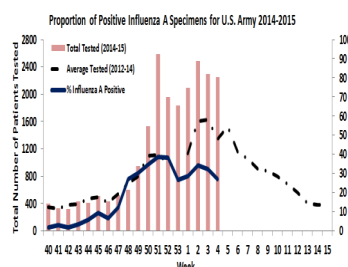
- 31% (803) of specimens tested positive during week four.
- Influenza A accounted for 75% (606) of positive specimens.
- RSV accounted for 12% of positive specimens, influenza B for 7%, adenovirus for 3%, and parainfluenza for 2%.
- No specimens tested positive for enterovirus.

DRSi Influenza Case Reporting



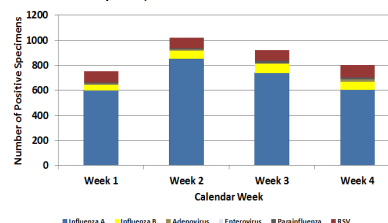
- In week four, 8 influenza-associated hospitalizations were reported in DRSi; 2 vaccinated AD SM, and of the non-AD beneficiaries 3 were vaccinated (with underlying conditions) and 3 (1 with an underlying condition) were not.
- A total of 47 hospitalized influenza cases have been reported to date this season.

Laboratory Testing for Influenza A



- In week four, 606 of 2248 (27%) specimens tested for influenza A were positive, a decrease from week two where 32% of specimens tested positive for influenza A. 457 (75%) of the positive influenza A specimens were from non-AD beneficiaries.
- SRMC labs reported 249 (41%) of the total influenza A positive specimens. ERM reported 126 (21%) positive influenza A specimens, NRMC reported 94 (16%), WRMC and PRMC both reported 68 (11%), and CENTCOM reported 1 (0.2%).

Positive Respiratory Specimen Results from Army MTFs by Virus, 2014-2015 Influenza Season



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)

Key: AD-Active Duty; ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

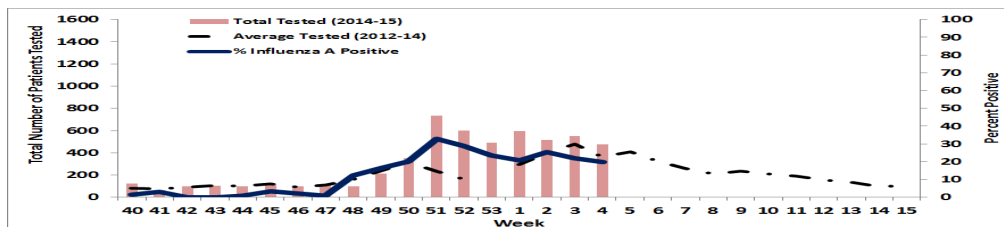
Questions?

Email [USAPHC-DEP](#)
410-417-3774

U.S. Army Influenza Activity Report

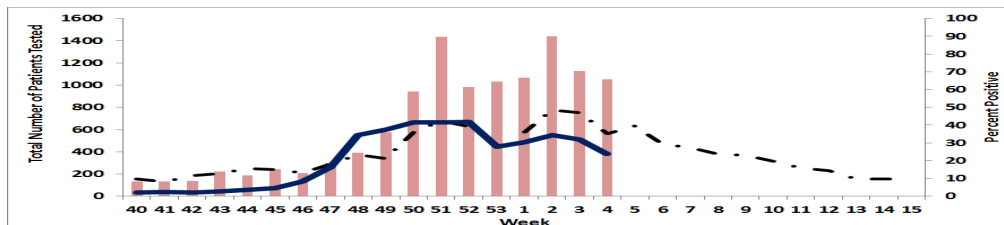
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

Northern Regional Medical Command (NRMC)



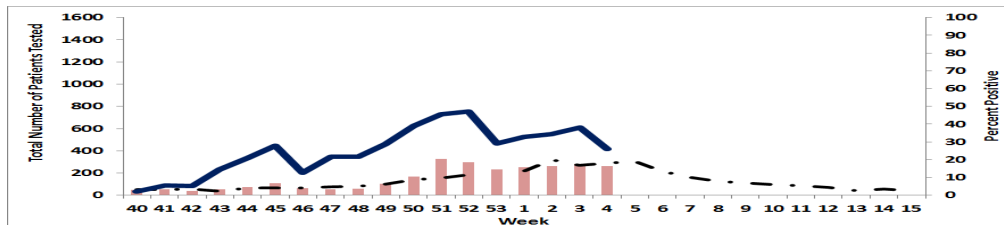
Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	48	568
18-29	10	5	183
30-39	7	5	115
40-49	5	4	97
50-59	1	5	57
60+	0	4	115
Total	23	71	1135

Southern Regional Medical Command (SRMC)



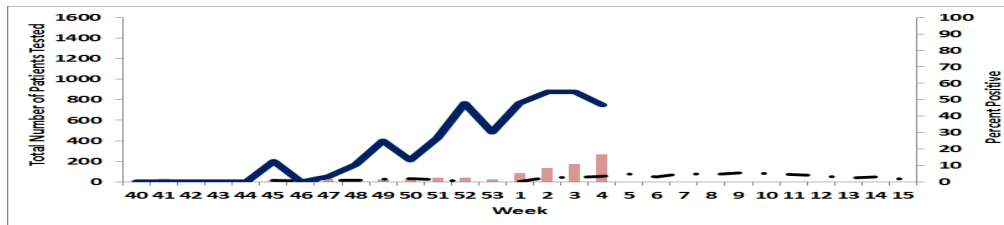
Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	121	1869
18-29	18	23	601
30-39	23	12	406
40-49	15	10	252
50-59	1	14	188
60+	0	12	248
Total	57	192	3564

Western Regional Medical Command (WRMC)



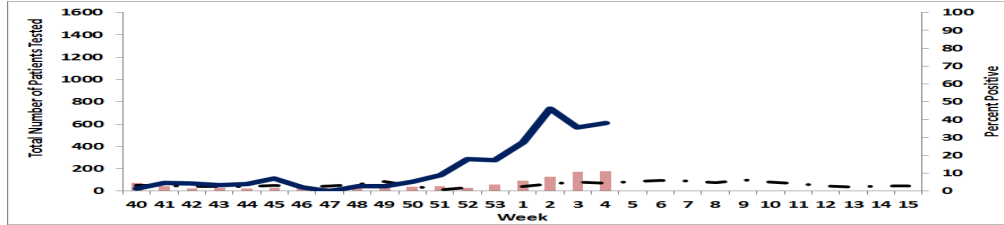
Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	42	562
18-29	6	1	108
30-39	6	3	80
40-49	3	1	39
50-59	0	1	33
60+	0	5	69
Total	15	53	891

Europe Regional Medical Command (ERMC)



Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	60	156
18-29	13	13	100
30-39	19	2	82
40-49	5	6	34
50-59	1	3	13
60+	0	4	7
Total	38	88	392

Pacific Regional Medical Command (PRMC)



Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	32	92
18-29	7	8	69
30-39	6	3	40
40-49	3	5	19
50-59	0	0	10
60+	0	4	13
Total	16	52	243

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 50		Week 51		Week 52		Week 53		Week 1		Week 2		Week 3		Week 4	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	11	60	44	197	28	145	23	93	35	89	35	96	23	97	23	71
SRMC	53	337	76	519	52	360	35	253	106	219	128	367	82	276	57	192
WRMC	4	61	19	129	14	126	4	63	18	64	16	75	13	94	15	53
ERMC	2	3	4	7	13	8	3	4	15	27	38	35	27	69	38	88
PRMC	1	1	1	3	0	5	3	7	9	17	21	38	21	37	16	52
CENTCOM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1

Locations providing week 4 laboratory data as of 31 January 2015: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point.